



SLOVENSKI STANDARD
oSIST prEN 15342:2024
01-april-2024

Polimerni materiali - Reciklirani polimerni materiali - Karakterizacija recikliranega polistirena (PS)

Plastics - Recycled plastics - Characterization of polystyrene (PS) recyclates

Kunststoffe - Kunststoff-Rezyklate - Charakterisierung von Polystyrol (PS)-Rezyklaten

Plastiques - Plastiques recyclés - Caractérisation des recyclats de polystyrène (PS)

Ta slovenski standard je istoveten z: prEN 15342

ICS:

13.030.50	Recikliranje	Recycling
83.080.20	Plastomeri	Thermoplastic materials

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EUROPEAN STANDARD
NORME EUROPÉENNE
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DRAFT
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ICS 83.080.20; 13.030.50

Will supersede EN 15342:2007

English Version

Plastics - Recycled plastics - Characterization of polystyrene (PS) recyclates

Plastiques - Plastiques recyclés - Caractérisation des
recyclats de polystyrène (PS)

Kunststoffe - Kunststoff-Rezyklate - Charakterisierung
von Polystyrol (PS)-Rezyklaten

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 249.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 15342:2024) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by SIS.

This document is currently submitted to the CEN Enquiry.

This document includes the following significant changes with respect to EN 15342:2007:

- Scope has been clarified;
- Normative References have been updated;
- Terms and definitions have been removed, reference to EN ISO 472 and CEN/TR 15353 remained;
- Clause 4 “Symbols and abbreviations” has been added;
- Clause 5 “Characterization of PS recyclates” and Table 1 “Characterization of PS recyclates” have been completely revised;
- In Clause 6 “Quality assurance” requirement regarding traceability has been added;
- Annex A: Content of test report has been changed.

This standard is one part of a series of CEN publications on Plastics Recycling which is structured as follows:

- EN 15342, *Plastics — Recycled plastics — Characterization of polystyrene (PS) recyclates*
- EN 15343, *Plastics — Recycled Plastics — Plastics recycling traceability and assessment of conformity and recycled content*
- EN 15344, *Plastics — Recycled plastics — Characterization of Polyethylene (PE) recyclates*
- EN 15345, *Plastics — Recycled plastics — Characterization of Polypropylene (PP) recyclates*
- EN 15346, *Plastics — Recycled plastics — Characterization of poly(vinyl chloride) (PVC) recyclates*
- EN 15347, *Plastics — Sorted plastics wastes (parts 1 to 6);*
- EN 15348, *Plastics — Recycled plastics — Characterization of poly(ethylene terephthalate) (PET) recyclates*
- CEN/TR 15353, *Plastics — Recycled plastics — Guidelines for the development of standards for recycled plastics*

prEN 15342:2024 (E)**Introduction**

Recycling of plastics waste is one type of material recovery process intended to save resources (virgin raw materials, water, and energy), while minimizing harmful emissions into air, water and soil as well as any impacts on human health. The environmental impact of recycling is assessed over the whole life cycle of the recycling system (from the waste generation point to the disposal of final residues). To ensure that recycling constitutes the best environmental option for treating the available waste, some prerequisites should preferably be met:

- recycling scheme being contemplated should generate lower environmental impacts than alternative recovery options;
- existing or potential market outlets should be identified that will secure a sustainable industrial recycling operation;
- collection and sorting schemes should be properly designed to deliver recyclable plastics waste fractions fitting reasonably well with the available recycling technologies and with the (changing) needs of the identified market outlets, preferably at minimum costs to society.

This document has been produced in accordance with the guidance produced by CEN on Environmental Aspects and in accordance with CEN/TR 15353.

NOTE CEN/TR 15353 considers the general environmental aspects which are specific to the recycling process.

During their life, products are temporarily out of industrial control. Consequently, at the end user stage, it is often impossible to trace back each individual product and whether it has been used correctly through its life cycle.

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